

METHOD FOR ENHANCING ANIMAL GROWTH
AND CELL PROLIFERATION BY ELIMINATION OF THE
CYCLIN-DEPENDENT KINASE INHIBITOR FUNCTION OF P27^{KIP1}

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Abstract of the Disclosure

10 This invention provides a recombinant non-human animal
lacking the cyclin-dependent kinase inhibitor function of
p27^{KIP1} and the method for producing the same. This
invention also provides a method for increasing the
proliferation of the thymic T-cells by treating the thymic
T-cells to eliminate the cyclin-dependent kinase
inhibition function of p27^{KIP1}. This invention also
15 provides a method for increasing the proliferation of
hematopoietic cells which comprises treating the
hematopoietic cells to eliminate the cyclin-dependent
kinase inhibitor function of p27^{KIP1}, thereby increasing
the proliferation of the hematopoietic cells. This
20 invention further provides a method for alleviating
symptoms of an AIDS patient comprising steps of: a)
collecting the lymphocytes or other cells from an AIDS
patient; b) treating the collected cells to eliminate the
cyclin-dependent kinase inhibition function of p27^{KIP1}; and
25 c) re-introducing the treated cells to the AIDS patient.

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